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# NOAA Regional Collaboration and Transition Topics

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# Overview

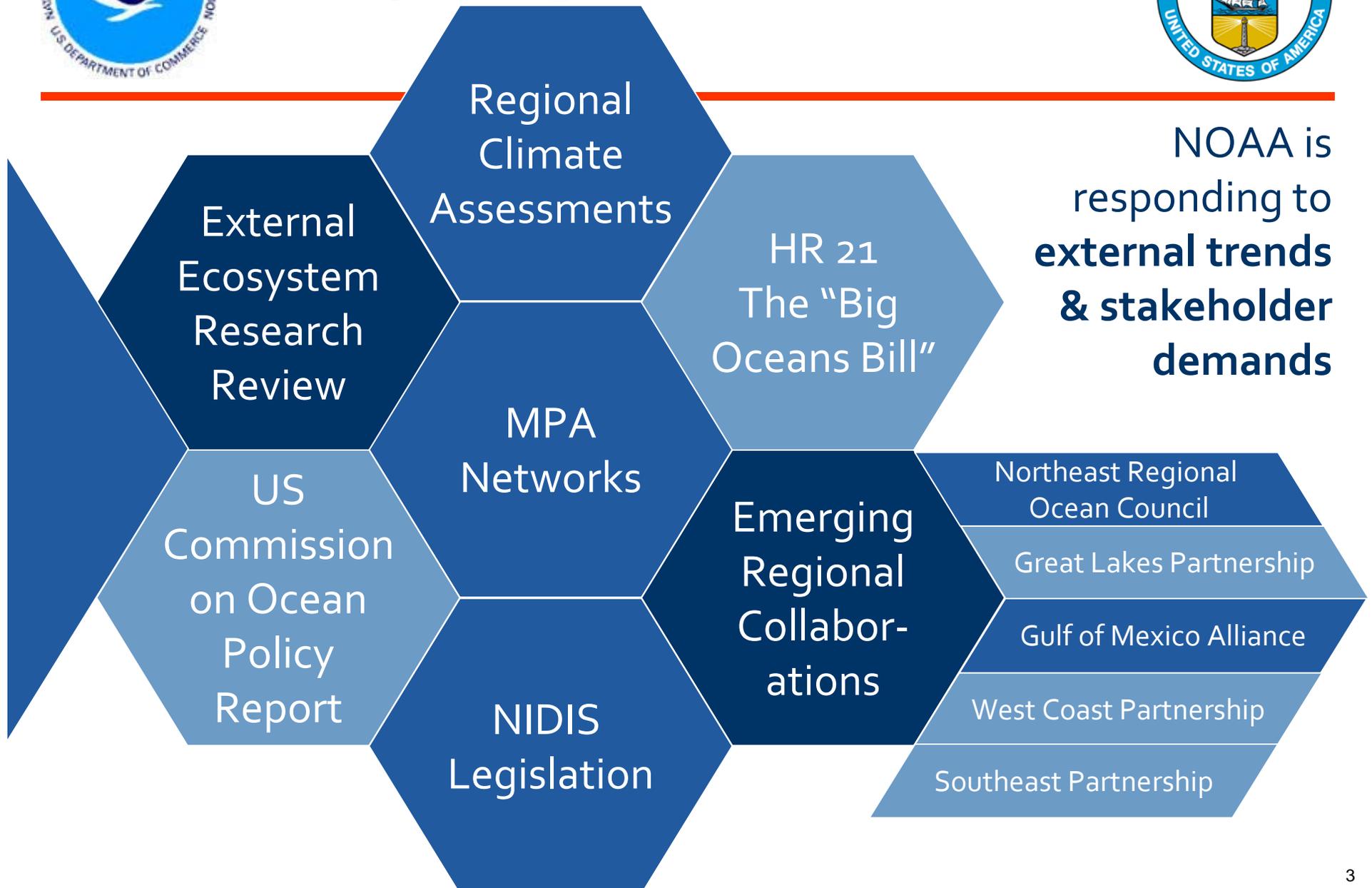


- 
- NOAA's Regional Collaboration Effort
    - Vision
    - Core principles
    - Programmatic Priorities
  
  - Transition Topics

Discuss Sea Grant and Panel Engagement



# Regional Collaboration: Responding to External Demands



NOAA is responding to **external trends & stakeholder demands**



# Regional Collaboration: Purpose



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NOAA's regional collaboration effort enables multi-Line Office coordination and execution on the highest priority regional needs, mobilizing knowledge and capabilities across the agency and its partners to:

- Address NOAA's mission priorities at appropriate geographic scales
- Address distinct regional challenges that require NOAA's expertise
- Enhance NOAA's value to and impact on the region

Key issue: leveraging current and emerging regional partnerships – on-the-ground teams to listen and respond to stakeholder needs



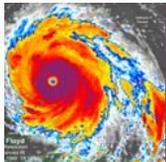
# Regional Collaboration: Core Principles



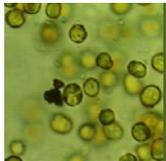
- This effort does not displace or entail changes to NOAA's Line Office structure
- Regional Collaboration will focus on
  - Improved services for the benefit of NOAA's customers
  - Increased value and productivity of partnerships
  - Improved stakeholder relations and support
  - Improved internal communications and efficiency across Line Offices and programs
  - A more visible and valued NOAA
- Teams can define a regionally-distinct mix of goals given regional issues and stakeholder needs



# Regional Collaboration: Programmatic Priorities



**Hazard Resilient Coastal Communities**



**Integrated Ecosystem Assessments**

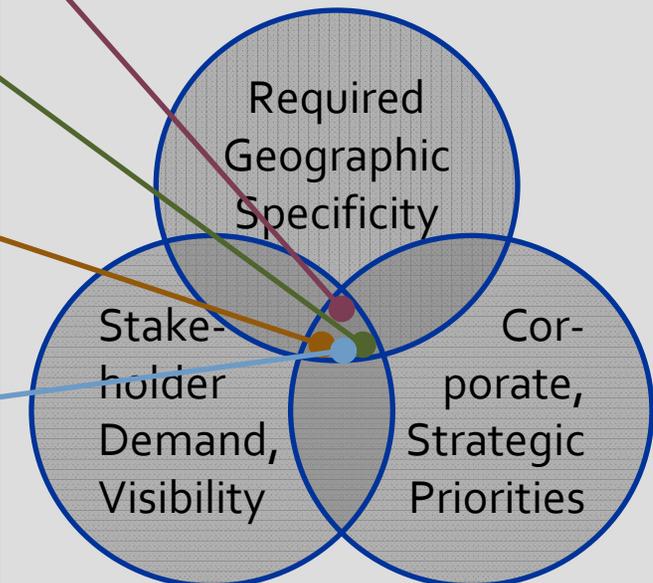


**Integrated Water Resource Services**



**Regionally-Distinct Priorities and Capabilities**

These programmatic priorities are at the intersection of



**NOAA is developing a blended approach to execution priorities for FY 2008, reflecting current regional partnerships.**



# Transition Topics



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- NOAA Mission
  - Strategic Environment
  - Strategic Direction
  - Organizational Structure



# Transition Topics



## Criteria for Strategic Topics

- Consistent with NOAA strategy
  - Strategic Plan
  - Annual Guidance Memorandum
- Societal demand is clear and persuasive
  - Stakeholder pull is evident
  - Benefits are real and compelling
- NOAA role is clear
  - NOAA is naturally identified with issue
  - Solutions require NOAA-wide capabilities



# Transition Topics

## Potential Topics

Include overviews of societal needs and NOAA's role and capacity to deliver products and services related to

Themes
Climate
Coasts
Water Quantity
High Impact Weather
Transportation Systems
Ocean & Marine Life
People & Infrastructure



# Issues to Discuss



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## Coastal Strategy Must

- Focus on a limited set of national priorities
- Use existing collaborative networks and resources to maximum advantage

## Sea Grant is a Strategic Partner

- Articulation of societal needs
- Contributions to coastal strategy
  - Strategic drivers
  - National priorities
  - Linkages to customers / users
- Collaboration with NOAA regional teams



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# Reference Slides



# Background

## Alignment of Strategy Paper Themes with NOAA Strategy



### Alignment with FY 2010-14 AGM Priorities

<b>Climate</b>	<ul style="list-style-type: none"> <li>• Climate information services</li> <li>• Understanding the causes and consequences of climate change and improving climate predictions</li> </ul>
<b>Coasts</b>	<ul style="list-style-type: none"> <li>• Regional, science-based approaches to ecosystem assessments and management</li> <li>• Physical ocean information services</li> <li>• Building hazard-resilient communities and commerce</li> </ul>
<b>Water Quantity</b>	<ul style="list-style-type: none"> <li>• Water information services</li> </ul>
<b>High Impact Weather</b>	<ul style="list-style-type: none"> <li>• High-impact weather and water events</li> </ul>
<b>Transportation Systems</b>	<ul style="list-style-type: none"> <li>• Aviation weather services</li> </ul>
<b>Ocean and Marine Life</b>	<ul style="list-style-type: none"> <li>• Climate variability and ecosystem predictions</li> <li>• Understanding ocean ecology on multiple spatial and temporal scales</li> <li>• Natural resource management and stewardship</li> </ul>
<b>People &amp; Infrastructure</b>	<ul style="list-style-type: none"> <li>• Observations integration and data management</li> <li>• Capable and reliable observations infrastructure</li> <li>• Strategic use of information technology</li> <li>• Modernized, safe, high quality facilities</li> </ul>
<b>All priorities</b>	<ul style="list-style-type: none"> <li>• Environmental literacy and decision support</li> <li>• Ocean and Earth system modeling</li> <li>• Improve service delivery excellence and value to customers</li> <li>• Strategic workforce management</li> </ul>



# Background

## Alignment of Strategy Paper Themes with NOAA Budget Priorities



### Alignment with FY 2006-08 Budget Priority Areas

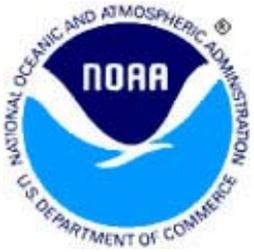
	FY 2006	FY 2007	FY 2008
<b>Climate</b>	<ul style="list-style-type: none"> <li>• Expand Climate Observations and Services</li> </ul>	<ul style="list-style-type: none"> <li>• Climate Services</li> </ul>	<ul style="list-style-type: none"> <li>• Climate Monitoring and Research</li> </ul>
<b>Coasts</b>	<ul style="list-style-type: none"> <li>• Ocean Commission-related Initiatives</li> </ul>	<ul style="list-style-type: none"> <li>• Commerce and Transportation</li> </ul>	<ul style="list-style-type: none"> <li>• Supporting the US Ocean Action Plan</li> </ul>
<b>Water Quantity</b>		<ul style="list-style-type: none"> <li>• Weather and Water Information</li> </ul>	
<b>High Impact Weather</b>	<ul style="list-style-type: none"> <li>• Improve Weather Forecasts and Warnings</li> </ul>	<ul style="list-style-type: none"> <li>• Weather and Water Information</li> </ul>	<ul style="list-style-type: none"> <li>• Improving Weather Warnings and Forecasts</li> </ul>
<b>Transportation Systems</b>	<ul style="list-style-type: none"> <li>• Facilitate Intermodal Transportation</li> </ul>	<ul style="list-style-type: none"> <li>• Commerce and Transportation</li> </ul>	
<b>Ocean and Marine Life</b>	<ul style="list-style-type: none"> <li>• Ecosystem Based Fisheries Management</li> </ul>		<ul style="list-style-type: none"> <li>• Supporting the US Ocean Action Plan</li> </ul>
<b>People &amp; Infrastructure</b>	<ul style="list-style-type: none"> <li>• Global Earth Observations</li> <li>• Full Funding for Satellite Services</li> <li>• Expanded Tsunami Warning Network</li> <li>• Support Facilities Maintenance and Construction</li> </ul>	<ul style="list-style-type: none"> <li>• People and Infrastructure</li> <li>• Facilities Construction</li> </ul>	<ul style="list-style-type: none"> <li>• Sustaining Critical Operations</li> <li>• Critical Facilities Investments</li> </ul>



# Themes: *Climate*



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- Climate variability and changes profound influence on economic prosperity, human health, and national security
  - The nation needs relevant and reliable climate information, and the capabilities to plan and adapt to changes
  - NOAA has a long-standing mandate to provide climate information in support of policy decisions in government and the private sector
  - NOAA can collaborate with other federal agencies and lead the requisite coordination and communication of the Nation's climate information inventory
  - NOAA can meet public demands by leveraging existing capabilities to expand the federal climate service portfolio with a National Climate Service



# Themes: *Coasts*



- The increased pace and scale of numerous impacts on the Nation's coasts are stressing ecosystem structure and function, and financial and human health risks continue to rise
- NOAA maintains significant capacity to address coastal challenges of highest priorities
  - leadership role in administering the Coastal Zone Management Act
  - strong and diverse partnerships with states, academia, and the private sector
  - breadth of programmatic and infrastructure capabilities
- Independent and fragmented management regimes complicate the federal role in meeting these challenges
- Leading this effort will require:
  - galvanizing the Nation around a unifying vision
  - setting national goals and measuring progress against targets
  - leading the development of a partnership framework that allows for federal responsiveness and targeted information delivery to regional, state, and local needs



# Themes:

## *Water Quantity*



- New and growing challenges compound the management challenges for drought and flood
- There remains a significant gap in capabilities to forecast water availability
- Given NOAA distinctive contribution to precipitation and flood forecasting, many of its existing lines already support emerging needs for water prediction information
- Developing freshwater forecasting capabilities will require:
  - integrating monitoring data from our federal partners and across media
  - improving water modeling based on changing patterns of use, weather, and climate
  - developing information delivery for water resource management and emergency management communities



## Themes: *High Impact Weather*



- High impact events have major economic and health and safety impacts
- While NOAA has made improvements in hurricane track forecasts, we need similar improvements in forecasting hurricane intensity
- Investments are important in forecast improvement accelerate research, development, and implementation of new science and technology to address accuracy, uncertainty characterization, and information dissemination



# Themes:

## *Transportation Systems*



- Economic growth and the nation's position in the global marketplace are putting greater pressure on our aging transportation infrastructure, resulting in costs passed on to the consumer
- U.S. air, surface and marine transportation systems depend on accurate and timely weather and other oceanographic information
- Escalating pressure from transportation system users is forcing service improvements across government, leading to the formation of key partnerships
  - Next Generation Air Transportation System
  - Committee on the Marine Transportation System
  - Department of Transportation's CLARUS initiative
- NOAA is a major player in all of these and must improve the accuracy and frequency of its products and services for a more efficient transportation system, while reducing the risks



# Themes:

## *Ocean and Marine Life*



- Our ocean and living marine resources and the habitats that support them are critical to the vitality of the U.S. economy
- Congress mandates NOAA to be a lead Federal agency in conservation, management and restoration efforts for ocean resources
- NOAA has adopted an ecosystem approach to management to achieve balance among ecological, environmental, and social needs
  - U.S. Commission on Ocean Policy report recommendations
  - U.S. Ocean Action Plan
- Implementation of this concept requires a scientific basis in exploration, basic research, ocean monitoring, and integrated assessments supporting management and enforcement actions that address the complexity of ecosystem issues



# Themes:

## *People & Infrastructure*



- The success of NOAA's mission relies, in part, on the agency's crosscutting infrastructure and diverse workforce that provide scientific and technical expertise and maintain a cadre of professionals to address its financial, acquisition and business challenges
- High-quality data that inform and advise the public and to manage national trust resources rely on highly specialized, high-performance systems
  - A constellation of satellites and associated ground systems
  - A fleet of ships and aircraft
  - A network of computing and telecommunication resources
- NOAA must also integrate its facility planning and management with agency-wide program needs through a stable, long-term, and environmentally conscious NOAA-wide facilities modernization strategy